## Claims Amendment

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Claim Listing:

Claim 1 (original): An electronic circuit system named Mobile Safety Communication (MSC) device embedded into a rearview/side mirror of a vehicle comprising: a GPS receiver circuit module with a planar antenna;

- a wireless Communication circuit module with a planar antenna and a USB interface;
- a plurality optical lenses and CCD/CMOS sensors with single JPEG/MPEG compression circuit module and a USB interface;
- a RISC CPU based central control module circuit having a plurality of UART serial control ports, a plurality of USB device control ports, a plurality of USB host control ports, an Ethernet network ports, a DRAM and Flash Memory controllers, and the central control processor executing MSC software;
- a Real-time clock with battery;
- a Smart Card Access host electronics module:
- a Flash memory storage;
- a Lithium-ion battery;
  - vibration and motion sensor/gauge with a micro-controller;
- both USB Host and USB Device outlets:
- Ethernet Communication outlet; 22
  - wherein all of these electronics circuit modules soldered in a PCB and embedded into the rearview or side mirror of a vehicle.

25 Claim 2 (original): The Mobile Safety Communication (MSC) device according to claim 1, 26

further molded into stand-alone unit is mounted at the proper position to the windshield glass of a vehicle.

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Claims 3 (original):	The MSC device according to claim 2, wherein the proper positions of
the windsh	nield glass are mounted at the highest position for better wireless
communic	ation and with GPS planar antenna facing the sky and better visual
recording	positions of a vehicle.

- aim 4 (original): The MSC device according to claim 1, an electronic circuit IC (Integrated Circuit) package in a SOC (System On Chip) form that comprising:
  - a RISC CPU central control module;
  - a digital signal processing part of GPS receiver module;
  - a digital signal processing part of wireless Communication module;
  - a digital camera pixel bus with JPEG/MPEG compression circuit module;
  - a plurality UART serial I/O ports;
  - a flash memory;
  - a plurality USB host and device control ports;
  - an Ethernet communication circuit.
- aim 5 (original): The MSC device according to claim 1, wherein a wireless communication module that includes but is not limited to GMS, CDMA, 802.11, MURS, FRS, GMRS, HAM, CB radio communication with planar antennas embedded into the vehicle's rearview or side mirror.
- nim 6 (original): The MSC device according to claim 2, wherein a wireless communication module that includes but is not limited to GMS, CDMA, 802.11, MURS, FRS, GMRS, HAM, CB radio communication with planar antennas embedded into stand-alone unit is mounted at the proper position to the windshield glass of a vehicle.
- im 7 (original): The MSC device according to claim 5, wherein a printed circuit trace (FR-4) antenna, a ceramic chip antenna or a PIFA antenna of the wireless communication is applied to the rearview/side mirror of a vehicle.

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Claim 8 (original): The MSC device according to claim 6, wherein a printed circuit trace (FR-4) antenna, a ceramic chip antenna or a PIFA antenna of the wireless communication applied to a stand-alone unit which is mounted at the proper position to the windshield glass of a vehicle.

Claim 9 (original): The MSC device according to claim 1, wherein a printed circuit (FR-4) trace antenna, multi-layer ceramic chip antenna or PIFA antenna of a GPS receiver is glued on the windshield glass with a pig-tail coax cable connected to the GPS receiver module.

Claim 10 (original): The MSC device according to claim 9, further the planar antenna of preferred ceramic chip antenna forming into the attachment part of a rearview mirror that sticks on the windshield glass, holds the GPS chip antenna for better reception of GPS signals.

Claim 11 (original): The MSC device according to claim 1, wherein a contact or a contactless Smart Card reader device is embedded into the rearview/side mirror of a vehicle that serves as a second key for an anti-car-theft device.

Claim 12 (original): The MSC device according to claim 2, wherein a contact or a contactless Smart Card reader device is embedded into a stand-alone unit that serves as a second key for an anti-car-theft device.

Claim 13 (original): The MSC device according to claim 5, wherein the wireless communication module controlled by the central control that serve as a radio beacon for car theft alarm, emergency help beacon, receiving internet data communication signals that includes but is not limited to data/voice/video information, earth-quake alarm, tornado alarm, enemy attack alarm and wireless broadband communication terminal to a PC, notebook PC or PDA.

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Claim 14 (original): The MSC device according to claim 1, wherein a Flash memory storage embedded into the rearview/side mirror of a vehicle in the form of Smart Media Card, Compact Flash Card, Secure Digital Card, Multi-Media Card or plan Flash memory IC soldered in the PCB of a MSC.
Claim 15 (original): The MSC device according to claim 1, wherein an Ethernet  Communication Outlet is implanted in the rearview/side mirror of a vehicle.
Claim 16 (original): The MSC device according to claim 2, wherein an Ethernet  Communication Outlet is implanted in the stand-alone unit version of MSC device.
Claim 17 (original): The MSC device according to claim 1, wherein both the USB host and USB device outlets are embedded in the rearview/side mounted mirror of a vehicle.
Claim 18 (original): The MSC device according to claim 2, wherein both the USB host and USB device outlets are embedded into the stand-alone version of MSC device.
Claim 19 (original): The MSC device according to claim 1, further with the USB/Ethernet outlet and the connection, between a MSC host to the mass storage Hard Disk for the commercial vehicle, records long periods of driving via the USB or an Ethernet interface.
Claim 20 (original): The MSC device according to claim 1, wherein both the front-view and rearview wide-angle view lenses are embedded into the rearview/side mirror in a camouflaged method where the LED flash turns on when camera shuts during the night or dark moment.

Claim 21 (original): The MSC device according to claim 19, wherein a multiplexer circuit that

selects among plurality of CCD/CMOS lenses for digital camera compression module

to reduce the redundancy of MPEG/JPEG compression circuit.

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Claim 22 (original): The MSC device according to claim 19, wherein the wide angle view of the lenses is equalized to compensate the driver's head and rearview which resides behind the rearview mirror where portions of the reflecting material is processed in a way such that the light reflects less for visual recording.
Claim 23 (original): The MSC device according to claim 1, wherein the operation method of the MSC functions including:
a vehicle accident emergency alarm activation;
an anti-theft alarm activation;
a voice/motion recording scheme coordinated with the MSC motion sensor/gauge;
a digital video recording scheme coordinated with the MSC motion sensor/gauge;
an earthquake, tornado and enemy attack warning scheme;
a built-in Flash Memory of MSC downloaded to USB mobile driver to
retrieve the video/voice/motion recording when an external USB
mobile driver is plugged in to the MSC USB device outlet;
the transferring from DRAM to Flash memory when vehicle power off
and built-in Lithium-ion battery kicked on;
MSC device works as a USB wireless communication adaptor when
connected to a USB host such as a laptop PC for wireless

MSC device works as a USB GPS receive adaptor when connected to a USB host such as a laptop PC for mapping and display;

MSC device as a USB voice communication adaptor when connected to a USB host such as a laptop PC;

MSC device as a USB digital camera adaptor when connected to a USB host such as a laptop PC;

communication;

Claim 24 (or	iginal): The MSC device according to claim 1, wherein a double spring
attac	thed metal ball based acceleration/de-acceleration sensor/gauge for detecting
and:	measuring the acceleration, de-acceleration, vibration and flip over conditions
of a	vehicle.

Claim 25 (original): The MSC device according to claim 24, further comprising a micro-controller to identify significant instances to the central control module to coordinate the video/voice/motion recording and alarm/emergency activation. This micro-controller also takes the vehicle's speedometer input to consolidate with the motion gauge/sensor to record more complete vehicle motion data in the Flash memory.

Claim 26 (original): The MSC device according to claim 1, wherein the USB interfaces for connecting between the central control to the multiple MSC peripheral modules comprising:

a wireless communication module with USB interface;

a voice communication and compression module with USB interface;

a multiple CCD/CMOS lenses with single JPEG/MPEG compression module with USB interface;

USB outlet to external MSC devices;

Claim 27 (canceled): The MSC device according to claim 26, wherein the Central Control utilized a Samsung RISC CPU S3C2410X and GPS module utilized a ST Microelectronics STB5610, ST20-GPS chip set and wireless communication module utilized a TI TNETTW1100B and JPEG/MPEG compression utilized a DIVIO NW800 and voice communication module utilized Tiger Jet ST560 and USB hub controller utilized the ATMET AT43312 to compose the main electronics parts of MSC.

With the foregoing amendments, it is submitted that the present application is in condition for allowance, and such action is requested.

Dated: Nov. 03, 2004

Respectfully,

By:

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